



1600 E. Murdock Wichita, KS 67214  
Phone: (866) 384-3010



**Torque Multiplier**  
Calibration Report for:  
  
**Alltite**  
1600 E Murdock  
Wichita, KS 67214

Calibration #:	150605.25.49839
Calibration Date:	06/05/2015
Expiration Date:	12/05/2015
Temperature:	23.2 °C
Humidity:	61.40% RH

Asset ID #:	1433529886
Asset Type:	Torque Multiplier
Manufacturer:	GEARTRONICS
Model #:	TD-1000
Serial #:	A-85461

Input Torque (FT-LBS)	Output Torque (FT-LBS)	Multiplication Ratio (Output:Input)	CL 95% (FT-LBS)
110	382	3.47:1	8.3
220	758	3.45:1	10
330	1122	3.40:1	12
440	1524	3.46:1	14
550	1890	3.44:1	16

Average Multiplication Ratio:	<b>3.4400:1</b>
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**Remarks:**

This torque multiplier was tested in the absence of any side-loading. Readings were taken at 20% increments of the tool's maximum input torque. "Average Multiplication Ratio" is the total output divided by the total input.

(1) "As Left" Data: **RESTRICTED WITH CHART**  
Test Instrument is functioning properly, however it is necessary to use new operational chart provided with this calibration to maintain the instrument's accuracy.

**Technician Comments:**



Michael McClellan, Calibration Technician

**Notes:**

- A. This accredited organization maintains both A2LA accreditation to ISO/IEC 17025 and ANSI/NCSL Z540-1-1994 for the specific tests/calibrations listed in A2LA Certificate #3040.01, and ISO 6789.
- B. Environmental conditions were held within Alltite's standards of 60 to 88 degrees Fahrenheit and below 90% relative humidity.
- C. Procedures for this calibration method are outlined in CP-002-19.
- D. All standards and associated equipment used to calibrate this instrument have been calibrated and are traceable to A2LA accreditation and the National Institute of Standards and Technology (NIST).
- E. Customer acknowledges and agrees that Alltite's standard sales terms and conditions are incorporated herein by reference and made a part of this calibration report.
- F. This document relates only to the test instrument listed on this certificate and cannot be reproduced, except in full, without written approval of Alltite.
- G. Calibration performed and valid for Clockwise Direction only.
- H. This calibration document is followed by a Calibration Schedule page.
- I. The uncertainty(s) listed represent an expanded uncertainty expressed using a coverage factor of k=2, such that the confidence level (CL) approximates 95%. CL 95% = Unaccred. or \* means the measurement falls outside our accredited scope and therefore no measure of uncertainty has been determined.



## In-House (Mechanical Lab, Wichita) Calibration Laboratory: Certification Schedule

Capacity	Item	Model #	Serial #	Traceability/Report #	Date Due Cal
20,000 ft.lb	AKO Torque Transducer	TSD20011	6194	141104.25.34563	11/04/2015
600 ft.lb	CDI Torque Transducer	6004-F-MT	1111106887	150529.25.51160	05/29/2016
Temp/Humid	Dickson Temp/Humid	F635 w/R200	13259020	1001656771	12/10/2015